

# MONTHLY NOTICES

OF THE

## ROYAL ASTRONOMICAL SOCIETY.

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E. B. KNOBEL, Esq., President, in the Chair.

The Rev. W. H. Addison, 8 West Chapel Street, Mayfair, W.; Henry Baynham, Lieutenant R.N.R., Captain of H.M.S. "Wellesley," Training Ship, North Shields; Humphrey Barker Chamberlin, 1033 Sixteenth Street, Denver, Colorado, U.S.A.; Otto Jaffe, Kin Edar, Strandtown, Belfast, Ireland; Charles Henry Johns, M.A., Althorpe House, Waverley Grove, Hendon, N.W.; William Grant MacGregor, F.R.G.S., 18 Coleman Street, E.C.; Captain R. Reynolds, Lieutenant R.N.R., Union Steamship "Pretoria," Southampton; Albert Edward Watson, B.A., F.R.Met.Soc., Whitgift Grammar School, and 8 St. John's Grove, Croydon, were balloted for and duly elected Fellows of the Society.

The following candidates were proposed as Fellows of the Society, the names of the proposers from personal knowledge being appended:—

The Rev. James Barnes Brearley, M.A., F.R.G.S., St. James's Church, Oldham, Lancashire (proposed by A. de Boë); Herbert Hancock, M.A., F.R.Met.Soc., Lecturer on Geometry to the Architectural Association, and Mathematical Master in Bancroft's School, Woodford, Essex (proposed by W. H. Besant); Thomas Torrens Knowles, M.A., Cambridge Extension Lecturer in Chemistry, Lancashire County Council Lecturer in Physics, Mathematical and Science Master,

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- Royal Grammar School, Lancaster (proposed by John Bone);  
 Alfred Thomas Odell-Lorrell, Science Lecturer and Examiner, 1 St. Mary's Grove, Chiswick, W. (proposed by D. Milligan);  
 Edward Stroud, Prisca Coborn Foundation School, Tredegar Square, E. (proposed by J. McCarthy);  
 John Tatlock, Jun., M.A., New York City, U.S.A. (proposed by S. W. Burnham).

The following were proposed by the Council as Associates of the Society:—

- W. L. Elkin, Yale College Observatory, New Haven, Connecticut, U.S.A.;  
 J. C. Kapteyn, Observatory, Gröningen, Holland;  
 Hugo Seeliger, Royal Observatory, Munich, Bavaria;  
 Hermann Struve, Observatory, Pulkowa, Russia.

Seventy-seven presents were announced as having been received since the last meeting, including, amongst others:—

Original negatives of *Jupiter* (12 plates), taken with the great telescope of the Lick Observatory, presented by the Observatory; Original negative of Swift's Comet, taken at the Sydney Observatory, presented by H. C. Russell; Photograph of the region surrounding  $\eta$  *Argus*, enlargement from a negative taken by Dr. Gill at the Royal Observatory, Cape of Good Hope, presented by the President; Photographs of the "Crab" Nebula (1 M *Tauri*), presented by Isaac Roberts; R. Wolf, *Geschichte der Astronomie*, third half-volume, presented by the author; Photograph of the Total Solar Eclipse of 1871 (positive copy on glass), taken in Java, presented by Professor Oudemans; Oxygen bottle for use with the lantern at evening meetings, presented by E. Ristori.

*Observations of the Moon made at the Radcliffe Observatory, Oxford, during the year 1891; and a Comparison of the Results with the Tabular Places from Hansen's Lunar Tables.* By E. J. Stone, M.A., F.R.S., Radcliffe Observer.

The present paper contains the observations of the Right Ascensions and North Polar Distances of the Moon, made at the Radcliffe Observatory during the year 1891. These results are here compared with those deduced from Hansen's Lunar Tables on two suppositions:—

- (1) That the mean times found in the usual way, from the sidereal times at mean noon given in the *Nautical Almanac*, were not altered in scale, or affected with any different systematic errors of determination, by